

Voltage Controlled Oscillator

ROS-ED8371/2

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)	FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4			
1.0	24.16	2282.4	2270.0	2260.3	7.50	6.41	4.32	-22.0	-24.6	-37.5	0.68	1	-71
2.0	18.93	2301.6	2289.0	2279.3	7.56	6.51	4.23	-18.6	-24.8	-37.5	0.62	10	-97
3.0	17.46	2319.4	2306.4	2296.6	7.59	6.57	4.38	-17.7	-25.2	-39.3	0.62	100	-117
4.0	17.46	2336.9	2323.9	2313.9	7.58	6.56	4.40	-17.8	-25.2	-39.9	0.70	1000	-137
5.0	18.02	2355.0	2341.9	2331.7	7.62	6.55	4.36	-17.8	-24.8	-40.0	0.32		
6.0	18.97	2373.9	2360.9	2350.5	7.64	6.56	4.35	-17.9	-24.7	-40.8	0.75		
7.0	20.11	2394.4	2381.0	2370.5	7.62	6.58	4.40	-18.1	-24.5	-40.1	0.70		
8.0	22.01	2416.6	2403.0	2392.2	7.60	6.51	4.39	-18.2	-24.6	-40.9	0.80		
9.0	24.73	2441.8	2427.7	2416.4	7.62	6.52	4.33	-18.2	-24.8	-40.9	0.80		
10.0	27.21	2469.1	2454.9	2443.4	7.60	6.53	4.33	-18.0	-25.6	-41.4	0.85		
11.0	28.30	2497.3	2483.2	2471.6	7.59	6.53	4.31	-17.9	-26.1	-41.2	0.85		
12.0	28.69	2526.3	2511.9	2500.0	7.54	6.51	4.35	-17.9	-27.0	-42.0	1.00		
13.0	28.08	2554.9	2540.0	2527.7	7.56	6.47	4.27	-17.8	-28.1	-42.6	1.10		
14.0	26.80	2581.6	2566.8	2554.4	7.49	6.47	4.27	-18.0	-28.0	-42.8	1.10		
15.0	24.57	2606.1	2591.4	2579.0	7.43	6.44	4.24	-18.0	-28.5	-41.4	1.12		
16.0	22.73	2629.2	2614.1	2601.5	7.37	6.41	4.22	-18.2	-28.2	-41.6	1.10		
17.0	21.50	2651.2	2635.6	2622.7	7.30	6.38	4.17	-18.1	-27.3	-40.4	1.12		
18.0	20.37	2671.7	2656.0	2642.8	7.22	6.34	4.11	-18.3	-27.3	-41.1	1.10		
19.0	19.23	2690.9	2675.2	2661.9	7.15	6.31	4.04	-18.3	-27.0	-41.4	1.27		
20.0	17.67	2708.7	2692.9	2679.6	7.01	6.27	4.01	-18.6	-26.7	-40.0	1.23		
21.0	16.70	2725.7	2709.6	2696.2	6.95	6.24	3.99	-18.6	-27.1	-41.8	1.12		
22.0	15.96	2742.2	2725.5	2712.0	6.88	6.21	3.93	-18.7	-27.2	-43.4	1.17		
23.0	15.37	2757.9	2740.9	2727.0	6.87	6.17	3.86	-19.0	-28.5	-46.7	1.17		
24.0	14.77	2772.9	2755.7	2741.5	6.92	6.16	3.78	-18.8	-34.7	-44.5	1.17		
25.0	13.70	2786.8	2769.4	2755.1	6.84	6.17	3.70	-19.3	-33.0	-44.2	1.23		
26.0	12.53	2799.5	2781.9	2767.5	6.74	6.14	3.66	-19.2	-30.6	-44.9	1.22		
27.0	11.20	2811.0	2793.1	2778.6	6.70	6.10	3.64	-19.5	-28.8	-45.3	1.47		
28.0	9.87	2821.2	2803.0	2788.3	6.68	6.08	3.60	-19.6	-27.5	-44.6	1.28		